

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB2004/051899

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G06K9/00 G10L17/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06K G10L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/16937 A (WAVEMAKERS RES INC ; ZAKARAUSKAS PIERRE (US)) 8 March 2001 (2001-03-08) abstract page 8, line 28 – page 9, line 17 -----	1-5, 9-13, 17-21
X	DE 198 10 792 A (ZENTRUM FUER NEUROINFORMATIK G) 16 September 1999 (1999-09-16) abstract page 2, lines 40-44 page 3, lines 5-14 page 7, lines 50-65 figure 2 -----	1-4,6
X	DE 199 36 097 A (GIESECKE & DEVRIENT GMBH) 8 February 2001 (2001-02-08) abstract column 3, lines 22-45 -----	7,8,15, 16,23,24



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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Date of the actual completion of the International search

22 December 2004

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## INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date		Patent family member(s)		Publication date
WO 0116937	A	08-03-2001	AU 7471600 A CA 2382122 A1 EP 1210711 A1 JP 2003508804 T WO 0116937 A1		26-03-2001 08-03-2001 05-06-2002 04-03-2003 08-03-2001
DE 19810792	A	16-09-1999	DE 19810792 A1 CA 2323867 A1 WO 9946737 A1 EP 1062640 A1 JP 2002507035 T		16-09-1999 16-09-1999 16-09-1999 27-12-2000 05-03-2002
DE 19936097	A	08-02-2001	DE 19936097 A1 AT 236440 T AU 6828200 A CN 1145114 T DE 50001652 D1 WO 0109846 A1 EP 1208539 A1 ES 2191636 T3		08-02-2001 15-04-2003 19-02-2001 07-04-2004 08-05-2003 08-02-2001 29-05-2002 16-09-2003